



# Indian Institute of Public Health – Delhi Public Health Foundation of India



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Workshop Series 2022- 23

## Online Workshop 'Data Visualization in R for Public Health Professionals' September 6 - 9, 2022

Last date of registration: 23<sup>rd</sup> Aug 2022

Course Director: Prof. Sanjay Zodpey, Director, Indian Institute of Public Health-Delhi

Course Coordinator: Dr. Surabhi Pandey, Associate Professor, Indian Institute of Public Health-Delhi

Link to registration form: <http://tof.phfi.org/>

### About the course

Main aim of this workshop is to make participants well versed in basic programming in R using in-built functions and coding while learning how to visualize data using R. After attending this workshop, participants will familiarize with programming in R, will be able to handle big data (including data cleaning) and visualize data in different forms of graphs and plots and observe patterns from the graphs about the data.

**This is an online workshop thus requires participants to have their own laptop/desktop and stable internet connection. The workshop will be facilitated on CISCO WebEx at IIPH-Delhi Platform.**

### Contents

- Introduction to R and R Studio and Installation
- Different Components of the R Studio interface
- Basic R grammar, Data Handling
- Introduction to ggplot2/ggplot function
- Installing ggplot2 package
- Grammar of Graphics with ggplot2
- Writing R codes to create and customize various graphs- Scatter, Line and Bar plot, Box plot, Heat Map, Tree Map etc.

### About the Faculty

**Dr. Surabhi Pandey**, Associate Professor is PhD in Mathematics and specialized in Infectious Disease Modelling (IDM). She has 12 years of experience in teaching Maths, Programming and IDM in UG and Masters Courses. Her research interest is in theoretical and computation modelling of infectious diseases and data analysis.

**Dr. Ashish Awasthi**, Assistant Professor is a qualified UGC NET, ICMR JRF exam, and completed his PhD in Biostatistics, he enjoys teaching biostatistics and quantitative methods. He is a gold medallist in his M.Sc., He has authored more than 100 peer-reviewed publications in various high impact journals and have academic collaborations with various International and National Institutes.

### Who should attend?

This workshop is suitable for anyone who wants to upgrade their skill of data visualization and learn basic to intermediate coding in R.

### How to Apply?

Interested participants may [Apply Online](#) and submit online registration form or write an email to [trainings@iiphd.org](mailto:trainings@iiphd.org). The fee will be submitted by E-transfer, the **bank details for E-transfer will be shared upon applying for the workshop.**

### Registration Fee:

Indian National: 6000 INR per participant	Foreign National: 12000 INR per participant
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**\* We have limited seats available; registrations will be confirmed on a first come first serve basis.**